

# Ritam Das

## Cyber Security Analyst

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### Education

<b>Techno India University</b> , Kolkata, West Bengal <i>Bachelor of Science in Information Technology (9/10)</i>	Aug 2023 – Current
<b>Sodepur High School</b> <i>Higher Secondary Education (90%)</i>	Jun 2021 – May 2023
<b>Sodepur High School</b> <i>Secondary Education (93%)</i>	Jan 2015 – May 2021

### Experience

<b>Cyber Security &amp; Digital Forensics Intern</b> , Cyber Secured India – Remote <ul style="list-style-type: none"><li>Assisted in digital forensics investigations on simulated systems using Autopsy to analyze evidence and document findings.</li><li>Utilized Burp Suite for web application security testing to uncover common vulnerabilities like SQL injection and XSS.</li></ul>	Mar 2025 – Jun2025
<b>Cyber Security Intern</b> , AICTE – Remote <ul style="list-style-type: none"><li>Developed a secure steganography web application using Python and Flask.</li><li>Applied encryption techniques (AES, XOR) for layered security before data embedding</li></ul>	Jan 2025 – Feb 2025

### Projects

<b>Steganography App</b> – Remote <ul style="list-style-type: none"><li>Designed and implemented a steganography system to conceal data within digital images using LSB (Least Significant Bit) encoding.</li><li>Developed a Python-based tool to embed and extract secret messages from image files while preserving image quality.</li><li>Enhanced data security by combining steganography with basic encryption (XOR) before embedding.</li></ul>	GitHub Repo
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### Skills

#### Security Domains:

Network Security, Vulnerability Management, Incident Response, Threat Analysis, Digital Forensics, Penetration Testing, Risk Management, Web Application Security, Cryptography

#### Security Tools:

Splunk, Nessus, Wireshark, Metasploit, Burp Suite, Autopsy, Firewalls, IDS/IPS

#### Cloud & DevOps:

AWS (EC2, S3, Lambda),GCP

#### Programming & Scripting:

Python, C, C++, Java, Bash, SQL

### Certifications

- Google Cybersecurity Certificate
- IBM Python for Data Science
- AWS Cloud Practitioner Essentials
- Infosys Hands-On Penetration Testing with Metasploit
- Cisco (Networking Basics, Cybersecurity Essentials)